

AMENDMENTS TO CLAIMS

Claims 1-41 (cancelled)

42. (currently amended) Apparatus for performing parallel chemical reactions under pressure, said apparatus comprising first and second sets of reaction vessels, at least one of said vessel sets comprising more than one reaction vessel, a first source of a first fluid, a second source of a second fluid, a fluid manifold, said fluid manifold comprising a source selection portion, a fluid distribution portion and a valve portion interposed between said source selection portion and said fluid distribution portion, said source selection portion comprising means for selecting one of said fluid sources and for connecting said selected source to said valve portion, said fluid distribution portion comprising first and second fluid distribution channels, ~~and~~ means for separately connecting each of said fluid distribution channels to each of the reaction vessels in a different one of said reaction vessel sets, respectively, said valve portion comprising first and second ~~independently-actuatable~~ valves each of which is associated with a different one of said fluid distribution channels in said fluid distribution portion, and means for independently actuating each of said valves to connect said source selecting means in said source selection portion and said associated fluid distribution channel in said fluid distribution portion associated with the actuated valve.

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